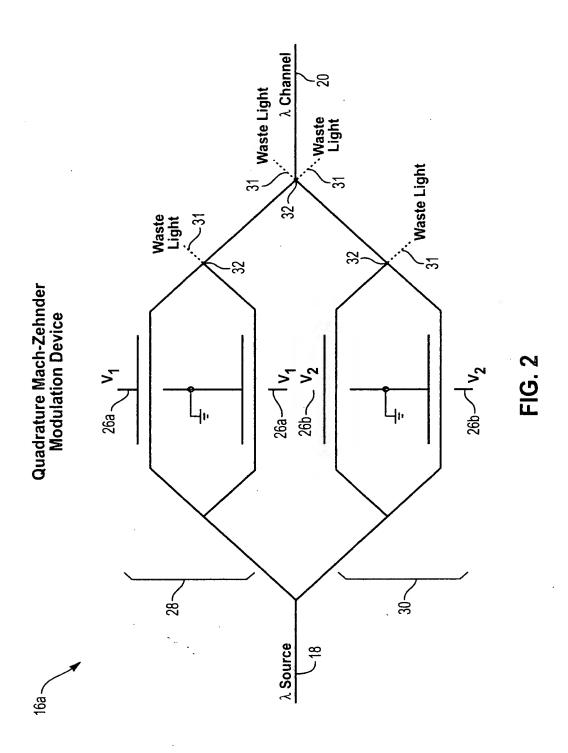
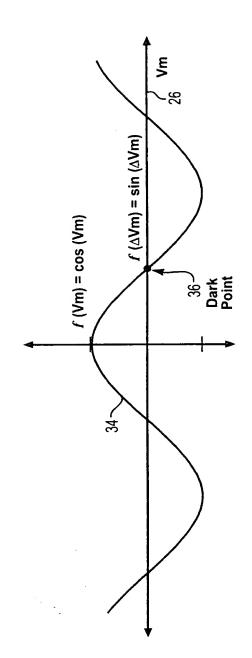


FIG. 1

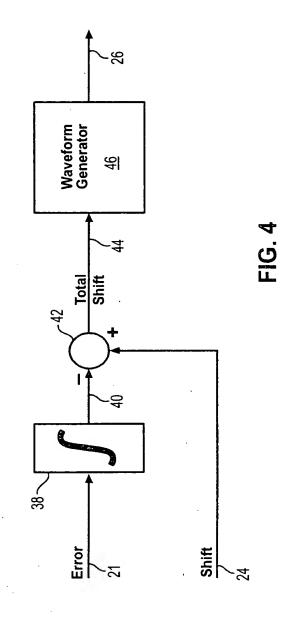


The first of the other than the state of the first of the

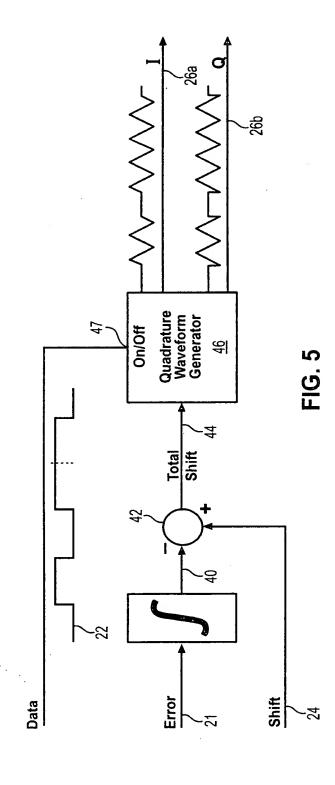
Mach-Zehnder Device Transfer Function



Modulation Synthesizer



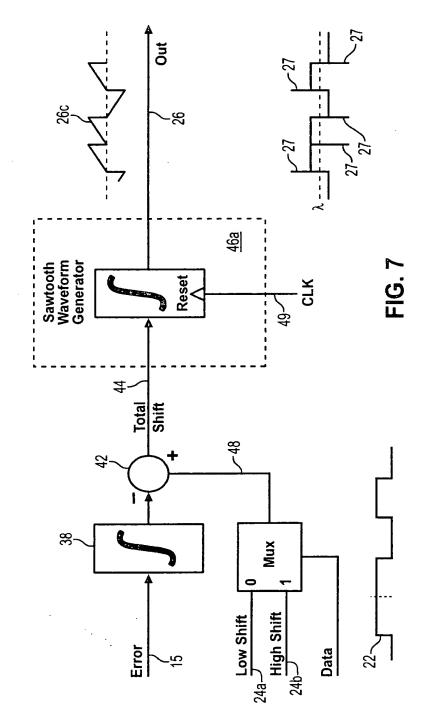
Quadrature Modulation Synthesizer (With On/Off Data Keying)



 λ Channel Phase Modulation Device 26√**√1** λ Source

FIG. 6

Modulation Synthesizer (With Frequency Shift Keying)



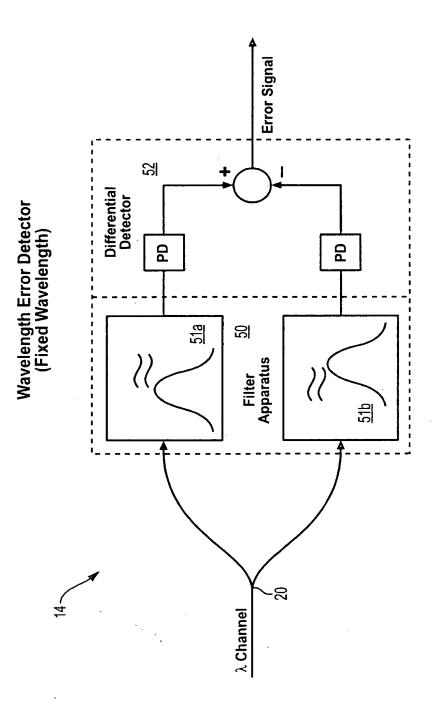


FIG. 8

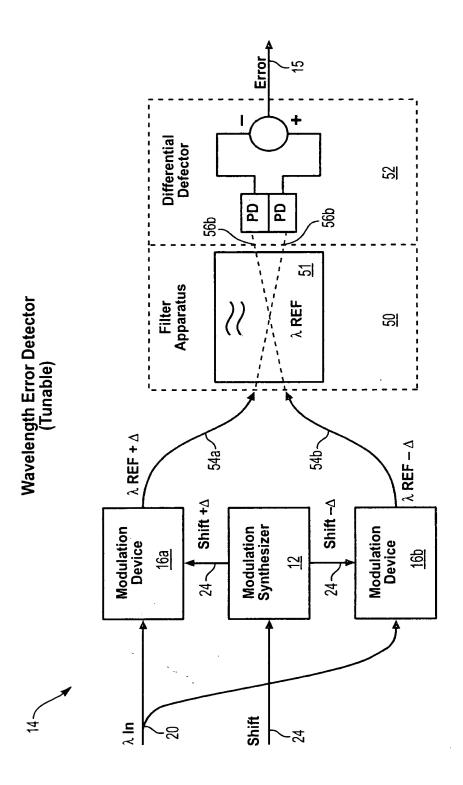


FIG. 9

FIG. 10

29.

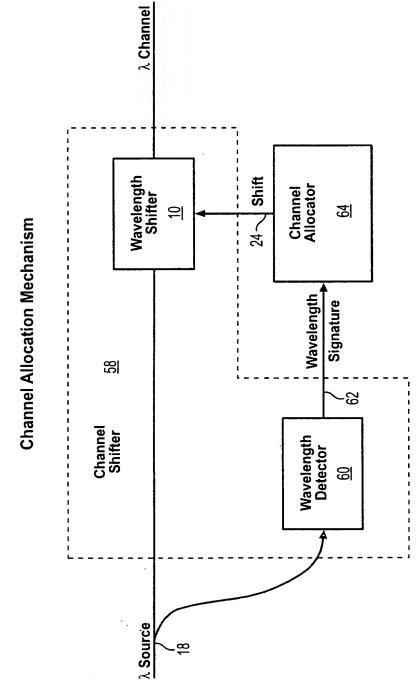


FIG. 11

Tunable Wavelength Stabilized Transmitter

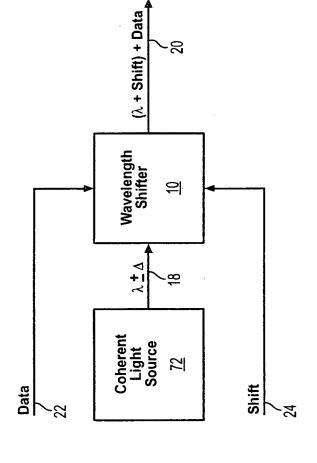
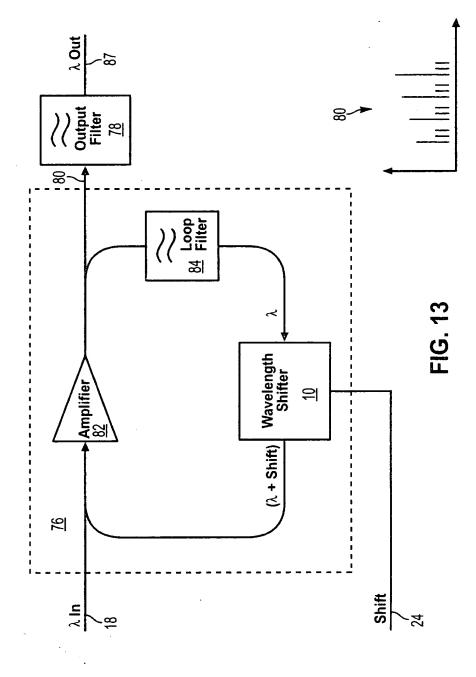


FIG. 13



74

Recursive Wavelength Shifter

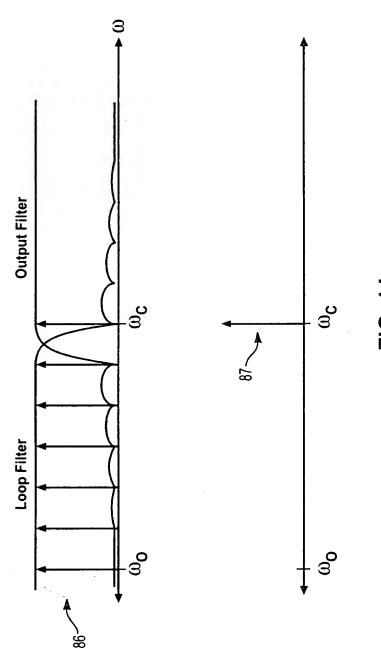


FIG. 14